This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A compound having the structural formula

$$X - (CR^{4}_{2})_{p} - J () - G^{4})_{q}$$

$$A - B \qquad R^{2}$$

$$D = E \qquad G^{3})_{q}$$

wherein

 R^1 and R^2 :

i) independently represent H or lower alkyl;

ii) together form a bridge of structure

$$G^1$$
)_m

wherein bonding is achieved via the terminal carbon atoms;

iii) together form a bridge of structure

$$=$$
 $G^1)_m$

wherein bonding is achieved via the terminal carbon atoms; or

iv) together form a bridge of structure

$$T^1$$
 $T^1 = T^1$

wherein one or two ring members T¹ are N and the others are CH, and bonding is achieved via the terminal atoms; and

wherein



m is 0 or an integer 1 - 4; and

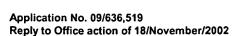
G1 is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- -NR³COR⁶;
- halogen;
- alkyl;
- cycloalkyl;
- lower alkenyl;
- lower cycloalkenyl;
- halogen-substituted alkyl;
- amino-substituted alkyl;
- N-lower alkylamino-substituted alkyl;
- N,N-di-lower alkylamino-substituted alkyl;
- N-lower alkanoylamino-substituted alkyl;
- hydroxy-substituted alkyl;
- cyano-substituted alkyl;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- phenyl lower alkoxycarbonyl-substituted alkyl;
- halogen-substituted alkylamino;
- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;
- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- cyano-substituted alkylamino;



- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- phenyl-lower alkoxycarbonyl-substituted alkylamino;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- $-OCOR^6$;
- $-COR^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-CH_2OR^3$;
- -NO₂;
- -CN;
- amidino;
- guanidino;
- sulfo;
- -B(OH)2;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted saturated heterocyclyl;
- optionally substituted partially unsaturated heterocyclyl;
- $-OCO_2R^3$;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;







- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);
- -CHO;
- $-OCON(R^6)_2$;
- -NR³CO₂R⁶; and
- $-NR^3CON(R^6)_2$

R³ is H or lower alkyl;

BI

R⁶ is independently selected from the group consisting of

- H;
- alkyl;
- optionally substituted aryl;
- optionally substituted aryl lower alkyl; and

R⁴ is H, halogen, or lower alkyl;

p is 0, 1, or 2;

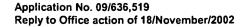
X is selected from the group consisting of O, S, and NH;

Y is selected from the group consisting of

- $-(CR_2^4)_n$ -S(O)_p-(5-membered heteroaryl)-(CR₂⁴)_s-;
- $-(CR_2^4)_n-C(G^2)(R^4)-(CR_2^4)_s-$;

wherein

n and s are each independently 0 or an integer of 1-2; and





 G^2 is selected from the group consisting of -CN, -CO₂R³, -CON(R⁶)₂, and -CH₂N(R⁶)₂;

- -O-CH₂-;
- -S(O)-;
- $-S(O)_{2}$ -;
- -SCH₂-;
- -S(O)CH₂-;
- $-S(O)_2CH_2-$;
- $-CH_2S(O)$ -; and
- -CH₂S(O)₂-

A and D independently represent N or CH;

B and E independently represent N or CH;

L represents N or CH;

with the provisos that

- a) the total number of N atoms in the ring containing A, B, D, E, and L is 1, 2, or 3; and
- b) when L represents CH, at least one of A and D is an N atom;

q is 0, 1, or 2;

G³ is selected from the group consisting of

- lower alkyl;
- -NR³COR⁶;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;

- $-S(O)_2R^6$;
- -OCOR⁶;
- -COR⁶;
- $-CO_2R^6$;
- $-CH_2OR^3$;
- $-CON(R^6)_2$;
- $-S(O)_2N(R^6)_2$;
- -NO₂;
- -CN;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted saturated heterocyclyl;
- optionally substituted partially unsaturated heterocyclyl;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);
- $-OCON(R^6)_2$;
- -NR³CO₂R⁶; and
- $-NR^3CON(R^6)_2$;

J is a ring selected from the group consisting of

- aryl;
- pyridyl; and
- cycloalkyl;

q' represents the number of substituents G⁴ on ring J and is 0, 1, 2, 3, 4, or 5, and



G⁴ moieties are selected from the group consisting of

- $-N(R^6)_2$;
- $-NR^3COR^6$;
- halogen;
- alkyl;
- cycloalkyl;
- lower alkenyl;
- lower cycloalkenyl;
- halogen-substituted alkyl;
- amino-substituted alkyl;
- N-lower alkylamino-substituted alkyl;
- N,N-di-lower alkylamino-substituted alkyl;
- N-lower alkanoylamino-substituted alkyl;
- hydroxy-substituted alkyl;
- cyano-substituted alkyl;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- phenyl lower alkoxycarbonyl-substituted alkyl;
- halogen-substituted alkylamino;
- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;
- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- cyano-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- phenyl-lower alkoxycarbonyl-substituted alkylamino;



- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- $-OCOR^6$;
- -COR⁶;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-CH_2OR^3$;
- -NO₂;
- -CN;
- amidino;
- guanidino;
- sulfo;
- -B(OH)2;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted saturated heterocyclyl;
- optionally substituted partially unsaturated heterocyclyl;
- $-OCO_2R^3$;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);



- -CHO;
- $-OCON(R^6)_2$;
- $-NR^3CO_2R^6$;
- $-NR^3CON(R^6)_2$; and
- fused ring-forming bridges attached to and connecting adjacent positions of ring J,
 said bridges having the structures:

a)

$$T^2$$
 T^2

wherein

each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CR⁴G⁴, C(R⁴)₂, or NR³; and

bonding to ring J is achieved via terminal atoms T² and T³;

b)

wherein

each T^2 independently represents N, CH, or CG^4 ; with the proviso that a maximum of two bridge atoms T^2 may be N; and bonding to ring J is achieved via terminal atoms T^2 ; and

c)

$$T^{4}$$
, T^{5} , T^{6} , T^{5} , T^{6} , T^{5} , T^{6} , or T^{5} , T^{6} , T^{5} , T^{5} , T^{6} , T^{5} ,

wherein

each T^4 , T^5 , and T^6 independently represents O, S, CR^4G^4 , $C(R^4)_2$, or NR^3 ; and



bonding to ring J is achieved via terminal atoms T^4 or T^5 ; with the provisos that:

- i) when one T^4 is O, S, or NR³, the other T^4 is CR^4G^4 or $C(R^4)_2$;
- ii) a bridge comprising T⁵ and T⁶ atoms may contain a maximum of two heteroatoms O, S, or N; and
- iii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G^1 , G^2 , G^3 , and G^4 , when two groups R^6 are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR^3 to form a heterocycle of 5-7 ring atoms; and
- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 5 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, lower alkanoyloxy, -CO₂R³, -CHO, -CH₂OR³, -OCO₂R³, -CON(R⁶)₂, -OCO N(R⁶)₂, -NR³CON(R⁶)₂, nitro, amidino, guanidino, mercapto, sulfo, and cyano;

or a pharmaceutically acceptable salt or prodrug thereof.

2. (Currently amended) A compound having the structural formula

wherein

 R^1 and R^2 :

i) together form a bridge of structure

$$=$$
 G^1) π

wherein bonding is achieved via the terminal carbon atoms; or

ii) together form a bridge of structure

$$T^1$$
 $T^1 = T^1$

wherein one of the ring members T^1 is N and the others are CH, and bonding is achieved via the terminal atoms; and

wherein

m is 0 or an integer 1-2; and

G1 is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- -NR³COR⁶;
- halogen;
- alkyl;
- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;



- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- -OCOR⁶;
- $-COR^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- -NO₂;
- -CN;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy; and
- -S(O)_p(optionally substituted heteroarylalkyl);

R³ is H or lower alkyl;

R⁶ is independently selected from the group consisting of

- H;
- lower alkyl;



- optionally substituted aryl;
- optionally substituted aryl lower alkyl; and

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p is 0 or 1;
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Y is selected from the group consisting of

- $-(CH_2)_n-S(O)_p-(5-membered heteroaryl)-(CH_2)_s-;$
- $-(CH_2)_n-C(G^2)(H)-(CH_2)_s-$;

wherein

n and s are each independently 0 or 1; and

 G^2 is selected from the group consisting of -CN, -CO2R³, -CON(R⁶)2 , and - CH2N(R⁶)2 ;

- -O-CH₂-;
- -S(O)-;
- $-S(O)_2-$;
- -SCH₂-;
- -S(O)CH₂-;
- $-S(O)_2CH_2-$;
- -CH₂S(O)-; and
- -CH₂S(O)₂-

A and D independently represent N or CH;

L represents N or CH;

with the provisos that

- a) the total number of N atoms in the ring containing A, D, and L is 1 or 2; and
- b) when L represents CH, at least one of A and D is an N atom;

q is 0, 1, or 2;



G³ is selected from the group consisting of

- lower alkyl;
- $-NR^3COR^6$;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-S(O)_2N(R^6)_2$;
- -CN;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy; and
- -S(O)_p(optionally substituted heteroarylalkyl);

q' represents the number of substituents G^4 on the phenyl ring and is 0, 1, 2, or 3; and

G⁴ moieties are selected from the group consisting of

- $-N(R^6)_2$;
- $-NR^3COR^6$;
- halogen;
- alkyl;
- halogen-substituted alkyl;



- hydroxy-substituted alkyl;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;
- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- phenyl-lower alkoxycarbonyl-substituted alkylamino;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- $-OCOR^6$;
- -COR⁶;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-CH_2OR^3$;
- -NO₂;
- -CN;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);



- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl); and
- fused ring-forming bridges attached to and connecting adjacent positions of the phenyl ring, said bridges having the structures:

a)

$$T^2$$
 T^2
 T^3

wherein

each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CHG⁴, CH₂, or NR³; and

bonding to the phenyl ring is achieved via terminal atoms T^2 and T^3 ;

b)

wherein

each T² independently represents N, CH, or CG⁴;

with the proviso that a maximum of two bridge atoms T^2 may be N; and bonding to the phenyl ring is achieved via terminal atoms T^2 ; and

c)

$$T^{5}$$
 T^{5} T^{6} or T^{5}

wherein

each T^5 , and T^6 independently represents O, S, CHG⁴, CH₂, or NR³; and bonding to the phenyl ring is achieved via terminal atoms T^5 ; with the provisos that:

i) a bridge comprising T⁵ and T⁶ atoms may contain a maximum of two heteroatoms O, S, or N; and

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ii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G¹, G², G³, and G⁴, when two groups R⁶ are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR³ to form a heterocycle of 5 7 ring atoms; and
- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 2 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, lower alkanoyloxy, -CO₂R³, -CH₂OR³, -OCO₂R³, -CON(R⁶)₂, -OCO N(R⁶)₂, -NR³CON(R⁶)₂, nitro, and cyano;

or a pharmaceutically acceptable salt or prodrug thereof.

3. (Currently amended) A compound having the structural formula

wherein

 R^1 and R^2 :

i) together form a bridge of structure

wherein bonding is achieved via the terminal carbon atoms, and any group G¹ is located on a non-terminal atom of the bridge; or

ii) together form a bridge of structure

$$T^1$$
 $T^1 = T^1$

wherein one of the ring members T^1 is N and the others are CH, and bonding is achieved via the terminal atoms; and

wherein

m is 0 or an integer 1-2; and

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G1 is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- $-NR^3COR^6$;
- halogen;
- -OR⁶ wherein R6 represents lower alkyl;
- -NO₂;
- optionally substituted heteroaryloxy; and
- optionally substituted heteroarylalkyloxy;

R³ is H or lower alkyl;

R⁶ is independently selected from the group consisting of

- H;
- lower alkyl;
- optionally substituted aryl;
- optionally substituted aryl lower alkyl; and

p is 0 or 1;

Y is selected from the group consisting of

- -S(O)_p-(5-membered heteroaryl)-;
- -C(CN)(H)-;
- -O-CH₂-;
- -S(O)-; and
- -S(O)₂-;

q is 0 or 1;



G³ is selected from the group consisting of

- lower alkyl;
- $-NR^3COR^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$; and
- $-S(O)_2N(R^6)_2$;

q' represents the number of substituents G⁴ on the phenyl ring and is 0, 1, 2, or 3; and

G⁴ moieties are selected from the group consisting of

- $-N(R^6)_2$;
- halogen;
- lower alkyl;
- halogen-substituted lower alkyl;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;

- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- -OCOR⁶;
- -COR⁶;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-CH_2OR^3$;
- -NO₂;
- -CN;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl); and
- fused ring-forming bridges attached to and connecting adjacent positions of the phenyl ring, said bridges having the structures:

a)

 T^2 T^2 T^2

wherein

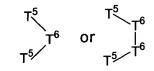
each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CHG⁴, CH₂, or NR³; and

bonding to the phenyl ring is achieved via terminal atoms T^2 and T^3 ;

b)

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wherein

each T⁵, and T⁶ independently represents O, S, CHG⁴, CH₂, or NR³; and bonding to the phenyl ring is achieved via terminal atoms T⁵; with the provisos that:

- i) a bridge comprising T⁵ and T⁶ atoms may contain a maximum of two heteroatoms O, S, or N; and
- ii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G¹, G², G³, and G⁴, when two groups R⁶ are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR³ to form a heterocycle of 5 6 ring atoms; and
- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 2 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, -CO₂R³, -CON(R⁶)₂, nitro, and cyano;

or a pharmaceutically acceptable salt or prodrug thereof.

4. (Original) A pharmaceutical composition comprising a compound of claim 1 and a pharmaceutically acceptable carrier.



- 5. (Previously Amended) A method of treating a mammal having a condition of tumor growth, retinopathy, rheumatoid arthritis, psoriasis, or a bullous disorder associated with subepidermal blister formation, comprising administering to said mammal an amount of a compound of claim 1 which is effective to treat said condition.
- 6. (cancelled)
- 7. (Currently amended) A compound having the structural formula

wherein

R1 and R2:

- i) independently represent H or lower alkyl;
- ii) together form a bridge of structure

$$G^1$$
) m

wherein bonding is achieved via the terminal carbon atoms;

iii) together form a bridge of structure

$$=$$
 $G^1)_m$

wherein bonding is achieved via the terminal carbon atoms; or

iv) together form a bridge of structure

$$T^1$$
 T^1

wherein one or two ring members T¹ are N and the others are CH, and bonding is achieved via the terminal atoms; and wherein

m is 0 or an integer 1-4; and

G¹ is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- $-NR^3COR^6$;
- halogen;
- alkyl;
- cycloalkyl;
- lower alkenyl;
- lower cycloalkenyl;
- halogen-substituted alkyl;
- amino-substituted alkyl;
- N-lower alkylamino-substituted alkyl;
- N,N-di-lower alkylamino-substituted alkyl;
- N-lower alkanoylamino-substituted alkyl;
- hydroxy-substituted alkyl;
- cyano-substituted alkyl;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- phenyl lower alkoxycarbonyl-substituted alkyl;
- halogen-substituted alkylamino;
- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;



- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- cyano-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- phenyl-lower alkoxycarbonyl-substituted alkylamino;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- $-OCOR^6$;
- -COR⁶;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-CH_2OR^3$;
- -NO₂;
- -CN;
- amidino;
- guanidino;
- sulfo;
- -B(OH)2;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted saturated heterocyclyl;
- optionally substituted partially unsaturated heterocyclyl;



- $-OCO_2R^3$;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);
- -CHO;
- $-OCON(R^6)_2$;
- -NR³CO₂R⁶; and
- $-NR^3CON(R^6)_2$

R³ is H or lower alkyl;

R⁶ is independently selected from the group consisting of

- H;
- alkyl;
- optionally substituted aryl;
- optionally substituted aryl lower alkyl; and

R⁴ is H, halogen, or lower alkyl;

p is 0, 1, or 2;

X is selected from the group consisting of O, S, and NH;

Y is selected from the group consisting of

- lower alkylene, optionally substituted by OH or OAcyl;
- -CH₂-O-;



- -CH₂-S-;
- -CH₂-NH-;
- -O-;
- -S-;
- -NH-;
- $-(CR_{2}^{4})_{n}-S(O)_{p}-(5-membered heteroaryl)-(CR_{2}^{4})_{s}-;$
- $-(CR_2^4)_n-C(G^2)(R^4)-(CR_2^4)_s-$;

wherein

n and s are each independently 0 or an integer of 1-2; and G^2 is selected from the group consisting of -CN, -CO₂R³, -CON(R⁶)₂, and -CH₂N(R⁶)₂;

- -O-CH₂-;
 - -S(O)-;
 - $-S(O)_{2}$ -;
 - -SCH₂-;
 - -S(O)CH₂-;
 - -S(O)₂CH₂-;
 - -CH₂S(O)-; and
 - -CH₂S(O)₂-

A and D independently represent N or CH;

B and E independently represent N or CH;

L represents N or CH;

with the provisos that

- a) the total number of N atoms in the ring containing A, B, D, E, and L is 1, 2, or 3; and
- b) when L represents CH, at least one of A and D is an N atom;

q is 0, 1, 1 or 2;

G³ is selected from the group consisting of

- -NR³COR⁶;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- $-OCOR^6$;
- -COR⁶;
- $-CO_2R^6$;
- -CH₂OR³;
- $-CON(R^6)_2$;
- $-S(O)_2N(R^6)_2$;
- -NO₂;
- -CN;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted saturated heterocyclyl;
- optionally substituted partially unsaturated heterocyclyl;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);
- $-OCON(R^6)_2$;
- -NR³CO₂R⁶; and



• $-NR^3CON(R^6)_2$;

J is a ring selected from the group consisting of

- aryl;
- pyridyl; and
- cycloalkyl;

q' represents the number of substituents G^4 on ring J and is 0, 1, 2, 3, 4, or 5, and G^4 moieties are selected from the group consisting of

- $-N(R^6)_2$;
- $-NR^3COR^6$;
- halogen;
- alkyl;
- cycloalkyl;
- lower alkenyl;
- lower cycloalkenyl;
- halogen-substituted alkyl;
- amino-substituted alkyl;
- N-lower alkylamino-substituted alkyl;
- N,N-di-lower alkylamino-substituted alkyl;
- N-lower alkanoylamino-substituted alkyl;
- hydroxy-substituted alkyl;
- cyano-substituted alkyl;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- phenyl lower alkoxycarbonyl-substituted alkyl;
- halogen-substituted alkylamino;
- amino-substituted alkylamino;

- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;
- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- cyano-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- phenyl-lower alkoxycarbonyl-substituted alkylamino;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- -OCOR⁶;
- $-COR^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- -CH₂OR³;
- -NO₂;
- -CN;
- amidino;
- guanidino;
- sulfo;
- -B(OH)2;
- optionally substituted aryl;
- optionally substituted heteroaryl;



- optionally substituted saturated heterocyclyl;
- optionally substituted partially unsaturated heterocyclyl;
- $-OCO_2R^3$;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);
- -CHO;
- $-OCON(R^6)_2$;
- $-NR^3CO_2R^6$;
- $-NR^3CON(R^6)_2$; and
- fused ring-forming bridges attached to and connecting adjacent positions of ring J, said bridges having the structures:

a)

$$T^2$$
 T^2
 T^3

wherein

each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CR⁴G⁴, C(R⁴)₂, or NR³; and

bonding to ring J is achieved via terminal atoms T^2 and T^3 ;

b)

wherein

each T² independently represents N, CH, or CG⁴; with the proviso that a maximum of two bridge atoms T² may be N; and

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bonding to ring J is achieved via terminal atoms T2; and

c)

$$T^{4}$$
, T^{5} , T^{6} , T^{5} , T^{6} , T^{5} , T^{6} , or T^{5} , T^{6} , T^{6} , T^{5} , T^{6} ,

wherein

each T⁴, T⁵, and T⁶ independently represents O, S, CR⁴G⁴, C(R⁴)₂, or NR³; and

bonding to ring J is achieved via terminal atoms T⁴ or T⁵; with the provisos that:

- i) when one T^4 is O, S, or NR³, the other T^4 is CR⁴G⁴ or C(R⁴)₂;
- ii) a bridge comprising T⁵ and T⁶ atoms may contain a maximum of two heteroatoms O, S, or N; and
- iii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G¹, G², G³, and G⁴, when two groups R⁶ are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR³ to form a heterocycle of 5 7 ring atoms; and
- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 5 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, lower alkanoyloxy, -CO₂R³, -CHO, -CH₂OR³, -OCO₂R³, -CON(R⁶)₂, -OCO N(R⁶)₂, -NR³CON(R⁶)₂, nitro, amidino, guanidino, mercapto, sulfo, and cyano;



or a pharmaceutically acceptable salt or prodrug thereof.

8. (Currently amended) A compound having the structural formula

wherein

R¹ and R²:

i) together form a bridge of structure

$$=$$
 $G^1)_m$

wherein bonding is achieved via the terminal carbon atoms; or

ii) together form a bridge of structure

$$T^1$$
 $T^1 = T^1$

wherein one of the ring members T^1 is N and the others are CH, and bonding is achieved via the terminal atoms; and

wherein

m is 0 or an integer 1-2; and

G¹ is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- -NR³COR⁶;
- halogen;
- alkyl;



- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;
- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- -OCOR⁶;
- $-COR^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- -NO₂;
- -CN;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy; and
- -S(O)_p(optionally substituted heteroarylalkyl);

R³ is H or lower alkyl;



R⁶ is independently selected from the group consisting of

- H;
- lower alkyl;
- optionally substituted aryl;
- optionally substituted aryl lower alkyl; and

p is 0 or 1;

Y is selected from the group consisting of

- lower alkylene, optionally substituted by OH or OAcyl;
- -CH₂-O-;
- -CH₂-S-;
- -CH₂-NH-;
- -O-;
- -S-;
- -NH-;
- $-(CH_2)_n$ -S(O)_p-(5-membered heteroaryl)-(CH₂)_s-;
- $-(CH_2)_n-C(G^2)(H)-(CH_2)_s-$;

wherein

n and s are each independently 0 or 1; and

 G^2 is selected from the group consisting of -CN, -CO₂R³, -CON(R⁶)₂, and - CH₂N(R⁶)₂;

- -O-CH₂-;
- -S(O)-;
- $-S(O)_2-$;
- -SCH₂-;
- -S(O)CH₂-;
- $-S(O)_2CH_2-$;

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- -CH₂S(O)-; and
- -CH₂S(O)₂-

A and D independently represent N or CH;

L represents N or CH;

with the provisos that

- a) the total number of N atoms in the ring containing A, D, and L is 1 or 2; and
- b) when L represents CH, at least one of A and D is an N atom;

q is 0, 1, 1 or 2;

G³ is selected from the group consisting of

- $-NR^3COR^6$;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-S(O)_2N(R^6)_2$;
- -CN;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy; and
- -S(O)_p(optionally substituted heteroarylalkyl);

q' represents the number of substituents G^4 on the phenyl ring and is 0, 1, 2, or 3; and

G⁴ moieties are selected from the group consisting of

- $-N(R^6)_2$;
- $-NR^3COR^6$;
- halogen;
- alkyl;
- halogen-substituted alkyl;
- hydroxy-substituted alkyl;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;
- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- phenyl-lower alkoxycarbonyl-substituted alkylamino;
- -OR⁶;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- -OCOR⁶;

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- $-COR^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- -CH₂OR³;
- -NO₂;
- -CN;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl); and
- fused ring-forming bridges attached to and connecting adjacent positions of the phenyl ring, said bridges having the structures:

a)

$$T^2$$
 T^2
 T^2

wherein

each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CHG⁴, C(H)₂, or NR³; and

bonding to the phenyl ring is achieved via terminal atoms T^2 and T^3 ;

b)

wherein

each T^2 independently represents N, CH, or CG^4 ; with the proviso that a maximum of two bridge atoms T^2 may be N; and bonding to the phenyl ring is achieved via terminal atoms T^2 ; and

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c)

$$T^{5}$$
 T^{6}
or
 T^{5}
 T^{6}

wherein

each T^5 , and T^6 independently represents O, S, CHG⁴, C(H)₂, or NR³; and bonding to the phenyl ring is achieved via terminal atoms T^5 ; with the provisos that:

- i) a bridge comprising T⁵ and T⁶ atoms may contain a maximum of two heteroatoms O, S, or N; and
- ii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G^1 , G^2 , G^3 , and G^4 , when two groups R^6 are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR^3 to form a heterocycle of 5 7 ring atoms; and
- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 2 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, lower alkanoyloxy, -CO₂R³, -CH₂OR³, -OCO₂R³, -CON(R⁶)₂, -OCO N(R⁶)₂, -NR³CON(R⁶)₂, nitro, and cyano;

or a pharmaceutically acceptable salt or prodrug thereof.

9. (Currently amended) A compound having the structural formula



$$\begin{array}{c}
 & H \\
 & (CH_2)_p \\
 & & G^4)_q \\
 & & & R^2 \\
 & & & G^3)_q
\end{array}$$

wherein

R¹ and R²:

i) together form a bridge of structure

$$=$$
 $G^1)_m$

wherein bonding is achieved via the terminal carbon atoms, and any group G^1 is located on a non-terminal atom of the bridge; or

ii) together form a bridge of structure

$$T^1$$
 $T^1 = T^1$

wherein one of the ring members T¹ is N and the others are CH, and bonding is achieved via the terminal atoms; and

wherein

m is 0 or an integer 1-2; and

G1 is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- $-NR^3COR^6$;
- halogen;
- -OR⁶ wherein R6 represents lower alkyl;
- -NO₂;
- optionally substituted heteroaryloxy; and



optionally substituted heteroarylalkyloxy;

R³ is H or lower alkyl;

R⁶ is independently selected from the group consisting of

- H;
- lower alkyl;
- optionally substituted aryl;
- optionally substituted aryl lower alkyl; and



p is 0 or 1;

Y is selected from the group consisting of

- lower alkylene, optionally substituted by OH;
- -CH₂-O-;
- -S-;
- -NH-;
- -S(O)_p-(5-membered heteroaryl)-;
- -C(CN)(H)-;
- -O-CH₂-;
- -S(O)-; and
- -S(O)₂-;

q is 0 or 1;

G³ is selected from the group consisting of

- -NR³COR⁶;
- -CO₂R⁶;

- $-CON(R^6)_2$; and
- $-S(O)_2N(R^6)_2$;
- q' represents the number of substituents G⁴ on the phenyl ring and is 0, 1, 2, or 3;

G⁴ moieties are selected from the group consisting of

- $-N(R^6)_2$;
- halogen;
- lower alkyl;
- halogen-substituted lower alkyl;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- $-OCOR^6$;
- -COR⁶;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-CH_2OR^3$;
- -NO₂;
- -CN;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;



- -S(O)_p(optionally substituted heteroarylalkyl); and
- fused ring-forming bridges attached to and connecting adjacent positions of the phenyl ring, said bridges having the structures:

a)

$$T^2$$
 T^2
 T^2

wherein

each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CHG⁴, CH₂, or NR³; and

bonding to the phenyl ring is achieved via terminal atoms T² and T³;

b)

$$T^{5}$$
 T^{5} T^{6} or T^{5}

wherein

each T⁵, and T⁶ independently represents O, S, CHG⁴, CH₂, or NR³; and bonding to the phenyl ring is achieved via terminal atoms T⁵; with the provisos that:

- i) a bridge comprising T⁵ and T⁶ atoms may contain a maximum of two heteroatoms O, S, or N; and
- ii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G¹, G², G³, and G⁴, when two groups R⁶ are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR³ to form a heterocycle of 5 – 6 ring atoms; and



- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 2 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, -CO₂R³, -CON(R⁶)₂, nitro, and cyano;

or a pharmaceutically acceptable salt or prodrug thereof.

- 10. (Original) A pharmaceutical composition comprising a compound of claim 7 and a pharmaceutically acceptable carrier.
- 11. (Previously Amended) A method of treating a mammal having a condition of tumor growth, retinopathy, rheumatoid arthritis, psoriasis, or a bullous disorder associated with subepidermal blister formation, comprising administering to said mammal an amount of a compound of claim 7 which is effective to treat said condition.
- 12. (cancelled)
- 13. (Currently amended) A compound having the structural formula

wherein

 R^1 and R^2 :

- i) independently represent H or lower alkyl;
- ii) together form a bridge of structure



wherein bonding is achieved via the terminal carbon atoms;

iii) together form a bridge of structure

wherein bonding is achieved via the terminal carbon atoms; or

iv) together form a bridge of structure

$$T^1$$
 T^1
 T^1

wherein one or two ring members T^1 are N and the others are CH, and bonding is achieved via the terminal atoms; and

wherein

m is 0 or an integer 1-4; and

G1 is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- -NR³COR⁶;
- halogen;
- alkyl;
- cycloalkyl;
- lower alkenyl;
- lower cycloalkenyl;
- halogen-substituted alkyl;
- · amino-substituted alkyl;
- N-lower alkylamino-substituted alkyl;



- N,N-di-lower alkylamino-substituted alkyl;
- N-lower alkanoylamino-substituted alkyl;
- hydroxy-substituted alkyl;
- cyano-substituted alkyl;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- phenyl lower alkoxycarbonyl-substituted alkyl;
- halogen-substituted alkylamino;
- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;
- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- cyano-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- phenyl-lower alkoxycarbonyl-substituted alkylamino;
- $-OR^6$;
- $-SR^6$:
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- -OCOR⁶;
- $-COR^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;



- $-CH_2OR^3$;
- -NO₂;
- -CN;
- amidino;
- guanidino;
- sulfo;
- -B(OH)2;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted saturated heterocyclyl;
- optionally substituted partially unsaturated heterocyclyl;
- $-OCO_2R^3$;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);
- -CHO;
- $-OCON(R^6)_2$;
- -NR³CO₂R⁶; and
- $-NR^3CON(R^6)_2$

R³ is H or lower alkyl;

R⁶ is independently selected from the group consisting of

- H;
- alkyl;
- optionally substituted aryl;



• optionally substituted aryl lower alkyl; and

R⁴ is H, halogen, or lower alkyl;

p is 0, 1, or 2;

X is selected from the group consisting of O, S, and NH;

Y is selected from the group consisting of

- lower alkylene, optionally substituted by OH or OAcyl;
- -CH₂-O-
- -CH₂-S-;
- -CH₂-NH-;
- -O-;
- -S-;
- -NH-;
- $-(CR_2^4)_n$ -S(O)_p-(5-membered heteroaryl)- $(CR_2^4)_s$ -;
- $-(CR_2^4)_n-C(G^2)(R^4)-(CR_2^4)_s-$;

wherein

n and s are each independently 0 or an integer of 1-2; and $G^2 \text{ is selected from the group consisting of -CN, -CO}_2R^3, \text{-CON}(R^6)_2, \text{ and -CH}_2N(R^6)_2;$

- -O-CH₂-;
- -S(O)-;
- -S(O)₂-;
- -SCH₂-;
- -S(O)CH₂-;
- $-S(O)_2CH_2-$;

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- -CH₂S(O)-; and
- -CH₂S(O)₂-

A and D independently represent N or CH;

B and E independently represent N or CH;

L represents N or CH;

with the provisos that

- a) the total number of N atoms in the ring containing A, B, D, E, and L is 1, 2, or 3; and
- b) when L represents CH, at least one of A and D is an N atom;

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q is 0, 1, or 2;

G³ is selected from the group consisting of

- lower alkyl;
- -NR³COR⁶;
- carboxy-substituted alkyl;
- lower alkoxycarbonyl-substituted alkyl;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- -OCOR⁶;
- $-COR^6$;
- $-CO_2R^6$;
- -CH₂OR³;
- $-CON(R^6)_2$;
- $-S(O)_2N(R^6)_2$;
- -NO₂;

- -CN;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted saturated heterocyclyl;
- optionally substituted partially unsaturated heterocyclyl;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);
- $-OCON(R^6)_2$;
- -NR³CO₂R⁶; and
- $-NR^3CON(R^6)_2$;

J is a ring selected from the group consisting of

- aryl;
- pyridyl; and
- cycloalkyl;

q' represents the number of substituents G^4 on ring J and is θ , 1, 2, 3, 4, or 5, and G^4 moieties are selected from the group consisting of

- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl);
- -CHO;
- $-OCON(R^6)_2$;



- -NR³CO₂R⁶; and
- \bullet NR³CON(R⁶)₂
- fused ring-forming bridges attached to and connecting adjacent positions of ring J,
 said bridges having the structures:

a)

$$T^2$$
 T^2
 T^2

wherein

each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CR⁴G⁴, C(R⁴)₂, or NR³; and

bonding to ring J is achieved via terminal atoms T² and T³;

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b)

$$T^{2} \qquad T^{2}$$

$$T^{2} \qquad T^{2}$$

wherein

each T^2 independently represents N, CH, or CG^4 ;

with the proviso that a maximum of two bridge atoms T^2 may be N; and bonding to ring J is achieved via terminal atoms T^2 ; and

c)

$$T^{4}$$
, T^{5} , T^{6} , T^{5} , T^{6} , T^{5} , T^{6} , or T^{5} , T^{6} , T^{5} , T^{5} , T^{6} , T^{5} ,

wherein

each T^4 , T^5 , and T^6 independently represents O, S, CR^4G^4 , $C(R^4)_2$, or NR^3 ; and

bonding to ring J is achieved via terminal atoms T^4 or T^5 ; with the provisos that:

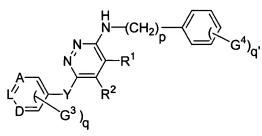
- i) when one T^4 is O, S, or NR³, the other T^4 is CR^4G^4 or $C(R^4)_2$;
- ii) a bridge comprising T⁵ and T⁶ atoms may contain a maximum of two heteroatoms O, S, or N; and
- iii) in a bridge comprising T^5 and T^6 atoms, when one T^5 is O, the other T^5 is S, CR^4G^4 , $C(R^4)_2$ or NR^3 ;
- iv) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G¹, G², G³, and G⁴, when two groups R⁶ are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR³ to form a heterocycle of 5 7 ring atoms; and
- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 5 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, lower alkanoyloxy, -CO₂R³, -CHO, -CH₂OR³, -OCO₂R³, -CON(R⁶)₂, -OCO N(R⁶)₂, -NR³CON(R⁶)₂, nitro, amidino, guanidino, mercapto, sulfo, and cyano;

or a pharmaceutically acceptable salt or prodrug thereof.

14. (Currently amended) A compound having the structural formula



wherein

 R^1 and R^2 :

i) together form a bridge of structure

$$=$$
 $G^1)_m$

wherein bonding is achieved via the terminal carbon atoms; or

ii) together form a bridge of structure

$$T^1$$
 $T^1 = T^1$

wherein one of the ring members T^1 is N and the others are CH, and bonding is achieved via the terminal atoms; and

wherein

m is 0 or an integer 1-2; and

G1 is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- -NR³COR⁶;
- halogen;
- alkyl;
- amino-substituted alkylamino;
- N-lower alkylamino-substituted alkylamino;
- N,N-di-lower alkylamino-substituted alkylamino;



- N-lower alkanoylamino-substituted alkylamino;
- hydroxy-substituted alkylamino;
- carboxy-substituted alkylamino;
- lower alkoxycarbonyl-substituted alkylamino;
- $-OR^6$;
- $-SR^6$;
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- halogenated lower alkoxy;
- halogenated lower alkylthio;
- halogenated lower alkylsulfonyl;
- -OCOR⁶;
- $-COR^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- -NO₂;
- -CN;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy; and
- -S(O)_p(optionally substituted heteroarylalkyl);

R³ is H or lower alkyl;

R⁶ is independently selected from the group consisting of

- H;
- lower alkyl;



- optionally substituted aryl;
- optionally substituted aryl lower alkyl; and

```
p is 0 or 1;
```

Y is selected from the group consisting of

- lower alkylene, optionally substituted by OH or OAcyl;
- -CH₂-O-;
- -CH₂-S-;
- -CH₂-NH-;
- -O-;
- -S-;
- -NH-;
- $-(CH_2)_n-S(O)_p-(5-membered heteroaryl)-(CH_2)_s-;$
- $-(CH_2)_n-C(G^2)(H)-(CH_2)_s-$;

wherein

n and s are each independently 0 or 1; and

 G^2 is selected from the group consisting of -CN, -CO₂R³, -CON(R⁶)₂, and -CH₂N(R⁶)₂;

- -O-CH₂-;
- -S(O)-;
- $-S(O)_2-$;
- -SCH₂-;
- -S(O)CH₂-;
- $-S(O)_2CH_2-$;
- -CH₂S(O)-; and
- -CH₂S(O)₂-



A and D independently represent N or CH;

L represents N or CH;

with the provisos that

- a) the total number of N atoms in the ring containing A, D, and L is 1 or 2; and
- b) when L represents CH, at least one of A and D is an N atom;

q is 0, 1, or 2;

G³ is selected from the group consisting of

- lower alkyl;
- $-NR^3COR^6$;
- $-OR^6$;
- $-SR^6$:
- $-S(O)R^6$;
- $-S(O)_2R^6$;
- $-CO_2R^6$;
- $-CON(R^6)_2$;
- $-S(O)_2N(R^6)_2$;
- -CN;
- optionally substituted aryl;
- optionally substituted heteroaryl;
- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy; and
- -S(O)_p(optionally substituted heteroarylalkyl);

q' represents the number of substituents G^4 on the phenyl ring and is θ , 1, 2, or 3;



and

G⁴ moieties are selected from the group consisting of

- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl); and
- fused ring-forming bridges attached to and connecting adjacent positions of the phenyl ring, said bridges having the structures:

a)

$$T^2$$
 T^3

wherein

each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CHG⁴, C(H)₂, or NR³; and

bonding to the phenyl ring is achieved via terminal atoms T^2 and T^3 ;

b)

$$T^{2} \downarrow T^{2}$$

$$T^{2} / T^{2}$$

wherein

each T² independently represents N, CH, or CG⁴;

with the proviso that a maximum of two bridge atoms T^2 may be N; and bonding to the phenyl ring is achieved via terminal atoms T^2 ; and

c)

$$T^{5}$$
 T^{5} T^{6} T^{5} T^{6}

wherein

each T^5 , and T^6 independently represents O, S, CHG⁴, CH₂, or NR³; and bonding to the phenyl ring is achieved via terminal atoms T^5 ; with the provisos that:

- i) a bridge comprising T⁵ and T⁶ atoms may contain a maximum of two heteroatoms O, S, or N; and
- ii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ is O, the other T⁵ is S, CHG⁴, CH₂ or NR³;
- iii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G¹, G², G³, and G⁴, when two groups R⁶ are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR³ to form a heterocycle of 5 7 ring atoms; and
- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 2 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, lower alkanoyloxy, -CO₂R³, -CH₂OR³, -OCO₂R³, -CON(R⁶)₂, -OCO N(R⁶)₂, -NR³CON(R⁶)₂, nitro, and cyano;

or a pharmaceutically acceptable salt or prodrug thereof.

15. (Currently amended) A compound having the structural formula

$$\begin{array}{c}
 & H \\
 & (CH_2)_p \\
 & & G^4)_q \\
 & & & R^2
\end{array}$$

wherein

R¹ and R²:

i) together form a bridge of structure

$$=$$
 $G^1)_{\pi}$

wherein bonding is achieved via the terminal carbon atoms, and any group G^1 is located on a non-terminal atom of the bridge; or

ii) together form a bridge of structure

$$T^1$$
 $T^1 = T^1$

wherein one of the ring members T¹ is N and the others are CH, and bonding is achieved via the terminal atoms; and

wherein

m is 0 or an integer 1-2; and

G¹ is a substituent independently selected from the group consisting of

- $-N(R^6)_2$;
- $-NR^3COR^6$;
- halogen;
- -OR⁶ wherein R6 represents lower alkyl;
- -NO₂;
- optionally substituted heteroaryloxy; and



• optionally substituted heteroarylalkyloxy;

R³ is H or lower alkyl;

R⁶ is independently selected from the group consisting of

- H;
- lower alkyl;
- optionally substituted aryl;
- optionally substituted aryl lower alkyl; and

p is 0 or 1;



Y is selected from the group consisting of

- lower alkylene, optionally substituted by OH;
- -CH₂-O-;
- -S-;
- -NH-;
- -S(O)_p-(5-membered heteroaryl)-;
- -C(CN)(H)-;
- -O-CH₂-;
- -S(O)-; and
- $-S(O)_2-$;

q is 0 or 1;

G³ is selected from the group consisting of

- lower alkyl;
- -NR³COR⁶;

- $-CO_2R^6$;
- $-CON(R^6)_2$; and
- $-S(O)_2N(R^6)_2$;

q' represents the number of substituents G^4 on the phenyl ring, and is θ , 1, 2, or 3; and

G⁴ moieties are selected from the group consisting of

- optionally substituted heteroarylalkyl;
- optionally substituted heteroaryloxy;
- -S(O)_p(optionally substituted heteroaryl);
- optionally substituted heteroarylalkyloxy;
- -S(O)_p(optionally substituted heteroarylalkyl); and
- fused ring-forming bridges attached to and connecting adjacent positions of the phenyl ring, said bridges having the structures:

a)

$$T_{\parallel}^{2}$$
 T^{3}

wherein

each T² independently represents N, CH, or CG⁴;

T³ represents S, O, CHG⁴, CH₂, or NR³; and

bonding to the phenyl ring is achieved via terminal atoms T² and T³;

b)

$$T^{5}$$
 T^{6} or T^{5} T^{6}

wherein

each T⁵, and T⁶ independently represents O, S, CHG⁴, CH₂, or NR³; and bonding to the phenyl ring is achieved via terminal atoms T⁵;



with the provisos that:

- i) a bridge comprising T^5 and T^6 atoms may contain a maximum of two heteroatoms O, S, or N; and
- ii) in a bridge comprising T^5 and T^6 atoms, when one T^5 is O, the other T^5 is S, CR^4G^4 , $C(R^4)_2$ or NR^3 ;
- iii) in a bridge comprising T⁵ and T⁶ atoms, when one T⁵ group and one T⁶ group are O atoms, or two T⁶ groups are O atoms, said O atoms are separated by at least one carbon atom;

and with the further provisos that:

- in G¹, G², G³, and G⁴, when two groups R⁶ are each alkyl and located on the same N atom they may be linked by a bond, an O, an S, or NR³ to form a heterocycle of 5 6 ring atoms; and
- when an aryl, heteroaryl, or heterocyclyl ring is optionally substituted, that ring may bear up to 2 substituents which are independently selected from the group consisting of amino, mono-loweralkyl-substituted amino, di-loweralkyl-substituted amino, lower alkanoylamino, halogeno, lower alkyl, halogenated lower alkyl, hydroxy, lower alkoxy, lower alkylthio, halogenated lower alkoxy, halogenated lower alkylthio, - CO_2R^3 , - $CON(R^6)_2$, nitro, and cyano;

or a pharmaceutically acceptable salt or prodrug thereof.

- 16. (Original) A pharmaceutical composition comprising a compound of claim 13 and a pharmaceutically acceptable carrier.
- 17. (Previously Amended) A method of treating a mammal having a condition of tumor growth, retinopathy, rheumatoid arthritis, psoriasis, or a bullous disorder associated with



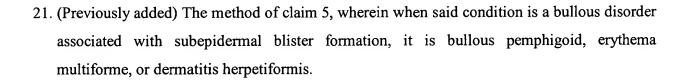
subepidermal blister formation, comprising administering to said mammal an amount of a compound of claim 13 which is effective to treat said condition.

18. (Cancelled)

- 19. (Previously Amended) A compound selected from the group consisting of:
 - a) 4-[4-(4-Chlorophenylamino)phthalazin-1-ylmethyl]pyridin-2-yl carboxylic acid methylamide;
 - b) 4-[4-(4-Chlorophenylamino)phthalazin-1-ylmethyl]pyridin-2-yl carboxylic acid amide;
 - c) 1-(4-chlorophenylamino)-4-(3-pyridylmethoxy)phthalazine;
 - d) 4-[4-(4-Chlorophenylamino)phthalazin-1-yloxymethyl]pyridin-2-yl carboxylic acid methylamide;
 - e) 4-[4-(4-Chlorophenylamino)phthalazin-1-yloxymethyl]pyridin-2-yl carboxylic acid amide;
- f) 4-[4-(3-Bromophenylamino)phthalazin-1-ylmethyl]-pyridin-2-yl carboxylic acid methylamide;
 - g) 4-[4-(3-Bromophenylamino)phthalazin-1-ylmethyl]-pyridin-2-yl carboxylic acid amide;
 - h) 1-(4-chlorophenylamino)-4-[(2-phenyl-4-pyridyl)methyl]phthalazine;
 - i) 1-[4-(4-pyridyloxy)phenylamino]-4-(4-pyridylmethyl)phthalazine;
 - j) 1-(indan-5-ylamino)-4-(4-pyridylmethyl)phthalazine;
 - k) 4-[4-(4-Chlorophenylamino)phthalazin-1-ylmethyl]pyridin-2-yl carboxylic acid methylamide dihydrochloride;
 - 4-[4-(4-Chlorophenylamino)phthalazin-1-ylmethyl]pyridin-2-yl carboxylic acid methylamide dimethanesulfonate;
 - m) 4-[4-(4-Chlorophenylamino)phthalazin-1-ylmethyl]pyridin2-yl carboxylic acid amide dihydrochloride;
 - n) 4-[4-(4-Chlorophenylamino)phthalazin-1-ylmethyl]pyridin-2-yl carboxylic acid amide dimethanesulfonate;
 - o) 4-[4-(4-Chlorophenylamino)phthalazin-1-yloxymethyl]pyridin-2-yl carboxylic acid amide dihydrochloride;



- p) 4-[4-(4-Chlorophenylamino)phthalazin-1-yloxymethyl]pyridin-2-yl carboxylic acid amide dimethanesulfonate;
- q) 1-(4-chlorophenylamino)-4-[5-(4-pyridyl)-1H-1,2,4-triazolyl-3-ylthio]phthalazine;
- r) 1-(4-isopropylphenylamino)-4-[5-(4-pyridyl)-1H-1,2,4-triazolyl-3-ylthio]phthalazine
- s) 1-(4-chlorophenylamino)-4-(4-pyridylsufonyl)phthalazine;
- t) 1-(4-chlorophenylamino)-4-(4-pyridylsufinyl)phthalazine;
- v) 1-(indan-5-ylamino)-4-(4-pyridylcyanomethyl)phthalazine; and
- w) 1-(benzothiazol-6-ylamino)-4-(4-pyridylcyanomethyl)phthalazine.
- 20. (Previously added) The method of claim 5, wherein said condition of retinopathy is diabetic retinopathy, ischemic retinal-vein occlusion, retinopathy of prematurity, or age-related macular degeneration.



- 22. (Previously added) The method of claim 11, wherein said condition of retinopathy is diabetic retinopathy, ischemic retinal-vein occlusion, retinopathy of prematurity, or age-related macular degeneration.
- 23. (Previously added) The method of claim 11, wherein when said condition is a bullous disorder associated with subepidermal blister formation, it is bullous pemphigoid, erythema multiforme, or dermatitis herpetiformis.
- 24. (Previously added) The method of claim 17, wherein said condition of retinopathy is diabetic retinopathy, ischemic retinal-vein occlusion, retinopathy of prematurity, or age-related macular degeneration.



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25. (Previously added) The method of claim 17, wherein when said condition is a bullous disorder associated with subepidermal blister formation, it is bullous pemphigoid, erythema multiforme, or dermatitis herpetiformis.